

Sexually Transmitted Disease in Wisconsin 2004

Northern Region



Wisconsin STD Program

Table 1. Reported cases of sexually transmitted disease
Northern Region
Year: 2004

| | <u>All STDs</u> | | <u>Chlamydia</u> | | <u>Gonorrhea</u> | | <u>Syphilis</u> | | <u>Genital HSV</u> | |
|---------------------------|-----------------|---------|------------------|---------|------------------|---------|-----------------|---------|--------------------|---------|
| | Cases | Percent | Cases | Percent | Cases | Percent | Cases | Percent | Cases | Percent |
| Total | 1037 | 100.0% | 754 | 100.0% | 83 | 100.0% | 7 | 100.0% | 193 | 100.0% |
| Sex | | | | | | | | | | |
| Male | 284 | 27.4% | 204 | 27.1% | 34 | 41.0% | 5 | 71.4% | 41 | 21.2% |
| Female | 752 | 72.5% | 549 | 72.8% | 49 | 59.0% | 2 | 28.6% | 152 | 78.8% |
| Unknown | 1 | 0.1% | 1 | 0.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Race | | | | | | | | | | |
| White | 532 | 51.3% | 403 | 53.4% | 40 | 48.2% | 2 | 28.6% | 87 | 45.1% |
| Black | 64 | 6.2% | 41 | 5.4% | 19 | 22.9% | 2 | 28.6% | 2 | 1.0% |
| Am. Indian | 50 | 4.8% | 42 | 5.6% | 4 | 4.8% | 0 | 0.0% | 4 | 2.1% |
| Asian/Pacific Is. | 57 | 5.5% | 53 | 7.0% | 2 | 2.4% | 1 | 14.3% | 1 | 0.5% |
| Other | 14 | 1.4% | 12 | 1.6% | 0 | 0.0% | 1 | 14.3% | 1 | 0.5% |
| Unknown | 320 | 30.9% | 203 | 26.9% | 18 | 21.7% | 1 | 14.3% | 98 | 50.8% |
| Hispanic ethnicity | | | | | | | | | | |
| Hispanic | 12 | 1.2% | 8 | 1.1% | 2 | 2.4% | 0 | 0.0% | 2 | 1.0% |
| Non Hispanic | 678 | 65.4% | 521 | 69.1% | 62 | 74.7% | 5 | 71.4% | 90 | 46.6% |
| Unknown | 347 | 33.5% | 225 | 29.8% | 19 | 22.9% | 2 | 28.6% | 101 | 52.3% |
| Age group | | | | | | | | | | |
| 0-4 | 1 | 0.1% | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% |
| 5-9 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 10-14 | 8 | 0.8% | 7 | 0.9% | 0 | 0.0% | 0 | 0.0% | 1 | 0.5% |
| 15-19 | 267 | 25.7% | 221 | 29.3% | 22 | 26.5% | 0 | 0.0% | 24 | 12.4% |
| 20-24 | 413 | 39.8% | 314 | 41.6% | 36 | 43.4% | 1 | 14.3% | 62 | 32.1% |
| 25-29 | 165 | 15.9% | 130 | 17.2% | 12 | 14.5% | 0 | 0.0% | 23 | 11.9% |
| 30-34 | 55 | 5.3% | 26 | 3.4% | 9 | 10.8% | 0 | 0.0% | 20 | 10.4% |
| 35-39 | 40 | 3.9% | 29 | 3.8% | 1 | 1.2% | 0 | 0.0% | 10 | 5.2% |
| 40-44 | 22 | 2.1% | 10 | 1.3% | 2 | 2.4% | 2 | 28.6% | 8 | 4.1% |
| 45-49 | 27 | 2.6% | 8 | 1.1% | 1 | 1.2% | 1 | 14.3% | 17 | 8.8% |
| 50+ | 39 | 3.8% | 9 | 1.2% | 0 | 0.0% | 2 | 28.6% | 28 | 14.5% |
| Unknown | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

Table 2. Reported cases of sexually transmitted disease by year
Northern Region

| Year | All STDs | Chlamydia | Gonorrhea | Syphilis | Genital HSV |
|--------------|--------------|--------------|------------|-----------|--------------|
| 1993 | 772 | 567 | 37 | 5 | 163 |
| 1994 | 595 | 435 | 37 | 3 | 120 |
| 1995 | 643 | 436 | 28 | 6 | 173 |
| 1996 | 693 | 467 | 30 | 4 | 192 |
| 1997 | 516 | 328 | 20 | 3 | 165 |
| 1998 | 668 | 493 | 30 | 3 | 142 |
| 1999 | 732 | 510 | 48 | 2 | 172 |
| 2000 | 884 | 643 | 62 | 0 | 179 |
| 2001 | 816 | 591 | 68 | 1 | 156 |
| 2002 | 878 | 633 | 103 | 2 | 140 |
| 2003 | 1,061 | 728 | 113 | 1 | 219 |
| 2004 | 1,037 | 754 | 83 | 7 | 193 |
| Total | 9,295 | 6,585 | 659 | 37 | 2,014 |

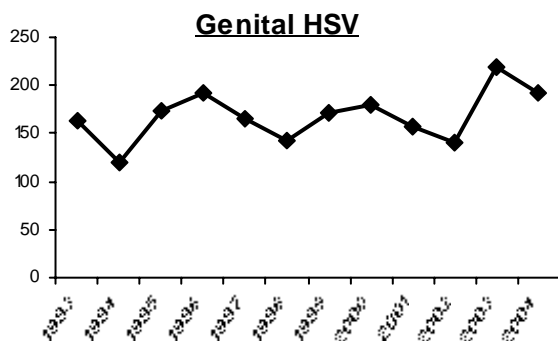
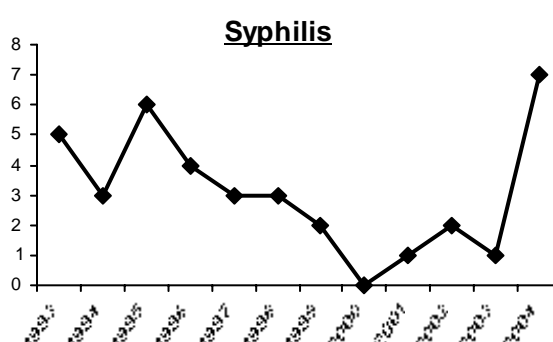
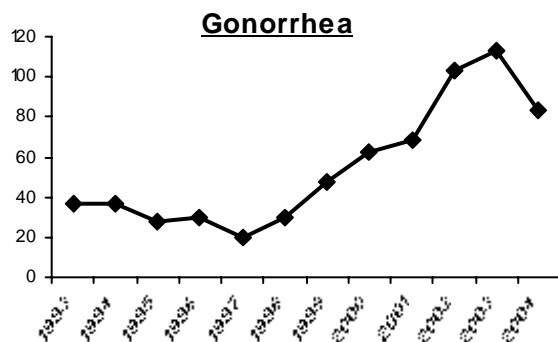
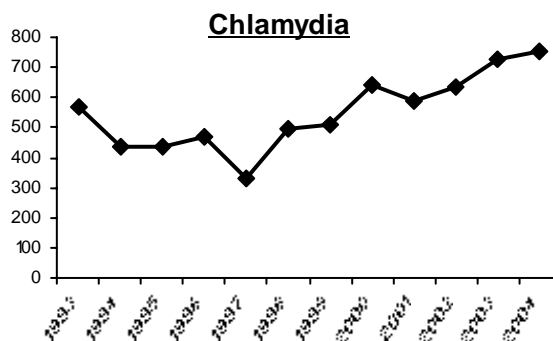
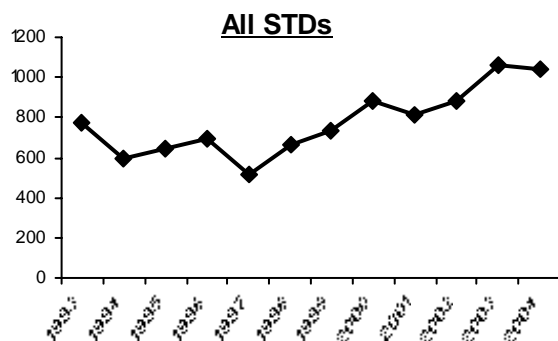


Table 3. Reported cases of sexually transmitted disease by county

Northern Region

Year: 2004

| County | <u>All STDs</u> | | | <u>Chlamydia</u> | | | <u>Gonorrhea</u> | | | <u>Syphilis</u> | | | <u>Genital HSV</u> | | |
|--------------|-----------------|---------------|------------|------------------|---------------|------------|------------------|---------------|-----------|-----------------|---------------|----------|--------------------|---------------|-----------|
| | Cases | Percent | Rate* | Cases | Percent | Rate* | Cases | Percent | Rate* | Cases | Percent | Rate* | Cases | Percent | Rate* |
| Ashland | 23 | 2.2% | 136 | 16 | 2.1% | 95 | 2 | 2.4% | ** | 0 | 0.0% | ** | 5 | 2.6% | 30 |
| Bayfield | 1 | 0.1% | ** | 1 | 0.1% | ** | 0 | 0.0% | ** | 0 | 0.0% | ** | 0 | 0.0% | ** |
| Florence | 2 | 0.2% | ** | 1 | 0.1% | ** | 0 | 0.0% | ** | 1 | 14.3% | ** | 0 | 0.0% | ** |
| Forest | 38 | 3.7% | 375 | 27 | 3.6% | 267 | 3 | 3.6% | ** | 0 | 0.0% | ** | 8 | 4.1% | 79 |
| Iron | 6 | 0.6% | 87 | 4 | 0.5% | ** | 0 | 0.0% | ** | 0 | 0.0% | ** | 2 | 1.0% | ** |
| Langlade | 40 | 3.9% | 189 | 30 | 4.0% | 142 | 8 | 9.6% | 38 | 0 | 0.0% | ** | 2 | 1.0% | ** |
| Lincoln | 58 | 5.6% | 191 | 45 | 6.0% | 148 | 6 | 7.2% | 20 | 0 | 0.0% | ** | 7 | 3.6% | 23 |
| Marathon | 366 | 35.3% | 282 | 267 | 35.4% | 206 | 31 | 37.3% | 24 | 3 | 42.9% | ** | 65 | 33.7% | 50 |
| Oneida | 66 | 6.4% | 175 | 42 | 5.6% | 112 | 6 | 7.2% | 16 | 0 | 0.0% | ** | 18 | 9.3% | 48 |
| Portage | 183 | 17.6% | 267 | 128 | 17.0% | 187 | 14 | 16.9% | 20 | 1 | 14.3% | ** | 40 | 20.7% | 58 |
| Price | 17 | 1.6% | 108 | 13 | 1.7% | 82 | 1 | 1.2% | ** | 1 | 14.3% | ** | 2 | 1.0% | ** |
| Sawyer | 36 | 3.5% | 211 | 27 | 3.6% | 158 | 3 | 3.6% | ** | 0 | 0.0% | ** | 6 | 3.1% | 35 |
| Taylor | 5 | 0.5% | 25 | 5 | 0.7% | 25 | 0 | 0.0% | ** | 0 | 0.0% | ** | 0 | 0.0% | ** |
| Vilas | 41 | 4.0% | 185 | 35 | 4.6% | 158 | 2 | 2.4% | ** | 0 | 0.0% | ** | 4 | 2.1% | ** |
| Wood | 155 | 14.9% | 204 | 113 | 15.0% | 149 | 7 | 8.4% | 9 | 1 | 14.3% | ** | 34 | 17.6% | 45 |
| Total | 1037 | 100.0% | 210 | 754 | 100.0% | 153 | 83 | 100.0% | 17 | 7 | 100.0% | 1 | 193 | 100.0% | 39 |

* Cases per 100,000 population

** Rate not calculated for categories with less than 5 cases.

Table 4. Reported cases of sexually transmitted disease by age and disease
Northern Region
Year: 2004

| All STDs | | | Chlamydia | | | Gonorrhea | | |
|-----------------|--------------|--------------|------------------|--------------|--------------|------------------|--------------|--------------|
| Age | Cases | Rate* | Age | Cases | Rate* | Age | Cases | Rate* |
| 0-4 | 1 | ** | 0-4 | 0 | ** | 0-4 | 0 | ** |
| 5-9 | 0 | ** | 5-9 | 0 | ** | 5-9 | 0 | ** |
| 10-14 | 8 | 23 | 10-14 | 7 | 20 | 10-14 | 0 | ** |
| 15-19 | 267 | 724 | 15-19 | 221 | 599 | 15-19 | 22 | 59 |
| 20-24 | 413 | 1241 | 20-24 | 314 | 944 | 20-24 | 36 | 108 |
| 25-29 | 165 | 632 | 25-29 | 130 | 498 | 25-29 | 12 | 45 |
| 30-34 | 55 | 201 | 30-34 | 26 | 95 | 30-34 | 9 | 32 |
| 35-39 | 40 | 123 | 35-39 | 29 | 89 | 35-39 | 1 | ** |
| 40-44 | 22 | 55 | 40-44 | 10 | 25 | 40-44 | 2 | ** |
| 45-49 | 27 | 67 | 45-49 | 8 | 20 | 45-49 | 1 | ** |
| 50+ | 39 | 23 | 50+ | 9 | 5 | 50+ | 0 | ** |
| Total | 1,037 | 210 | Total | 754 | 153 | Total | 83 | 16 |

| Syphilis | | | Genital HSV | | |
|-----------------|--------------|--------------|--------------------|--------------|--------------|
| Age | Cases | Rate* | Age | Cases | Rate* |
| 0-4 | 1 | ** | 0-4 | 0 | ** |
| 5-9 | 0 | ** | 5-9 | 0 | ** |
| 10-14 | 0 | ** | 10-14 | 1 | ** |
| 15-19 | 0 | ** | 15-19 | 24 | 65 |
| 20-24 | 1 | ** | 20-24 | 62 | 186 |
| 25-29 | 0 | ** | 25-29 | 23 | 88 |
| 30-34 | 0 | ** | 30-34 | 20 | 73 |
| 35-39 | 0 | ** | 35-39 | 10 | 30 |
| 40-44 | 2 | ** | 40-44 | 8 | 20 |
| 45-49 | 1 | ** | 45-49 | 17 | 42 |
| 50+ | 2 | ** | 50+ | 28 | 16 |
| Total | 7 | 1 | Total | 193 | 39 |

* Cases per 100,00 population

** Rate not calculated for categories with less than 5 cases.

Table 5. Reported sexually transmitted disease, reported rates* and imputed rates by race**

Northern Region

Year: 2004

| | Cases per 100,000 population*** | | | | |
|-------------------|---------------------------------|--------------------|--------------------|--------------------|--------------------|
| | All STDs | Chlamydia | Gonorrhea | Syphilis | Genital HSV |
| | Reported - Imputed | Reported - Imputed | Reported - Imputed | Reported - Imputed | Reported - Imputed |
| White | 113 - 165 | 86 - 117 | 8 - 10 | ** - ** | 18 - 37 |
| Black | 2798 - 3737 | 1792 - 2273 | 830 - 1140 | ** - ** | ** - 235 |
| Am. Indian | 432 - 617 | 363 - 504 | ** - 43 | ** - ** | ** - 70 |
| Asian/Pacific Is. | 552 - 792 | 513 - 745 | ** - ** | ** - ** | ** - ** |

* The reported rate is the number reported cases with specified race per 100,000 population. Because some cases are reported with unspecified race, the reported rate under-estimates actual morbidity and thus should be regarded as a minimum estimate.

** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates.

*** Rate not calculated for categories with less than 5 cases.

Technical notes

1. These reports are compiled by the Wisconsin STD Program and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, primary genital Herpes simplex virus (HSV) infection, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to the DPH.
2. In this analysis the term "all STDs" refers specifically to reported cases of chlamydia, gonorrhea, syphilis, and primary genital Herpes simplex virus (HSV) infection. Unless otherwise specified, syphilis cases shown in these reports include all stages of disease.
3. These reports include cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and this report supercedes all previous reports.
4. Reporting of STDs cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimate total STD morbidity.
5. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
6. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
7. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

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